

PROCESS FOR POLYMERIZING CATIONICALLY
POLYMERIZABLE MONOMERS

ABSTRACT

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The invention relates to a new catalyst system that improves the heat transfer capability of a butyl reactor slurry process system in the production of isobutylene-based polymers in continuous slurry polymerization processes. The process is carried out in an anhydrous polymerization system containing a mixture
10 of the monomers in a polar diluent along with a Lewis acid and a C₅ or greater initiator having a tertiary halide.